

L7 ANSWER 24 OF 25 CAPLUS COPYRIGHT 2008 ACS on STN

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TITLE: Vilsmeier-Haack reaction. VIII. Synthesis of new heterocyclic derivatives from benzothiazole, 6-methoxybenzoxazole, naphth-1,2-oxazole and naphth-2,1-oxazole

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CORPORATE SOURCE: Dep. Chem. Technol., Univ. Bombay, Bombay, India

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LANGUAGE: English

GI For diagram(s), see printed CA Issue.

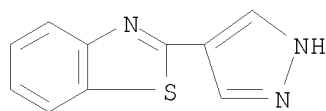
AB The Vilsmeier-Haack reaction was utilized to synthesize malonaldehyde derivs. (e.g. I and II) of benzothiazole, 6-hydroxy- and 6-methoxybenzoxazole, naphth-1,2-oxazole, and naphth-2,1-oxazoles. The malonaldehydes were converted into a variety of heterocycles by reaction with suitable reagents. The corresponding cyanoacetaldehyde derivs. were also made and reacted with phenylhydrazine to yield the 5-amino-1-phenylpyrazoles. The pyrimidine derivs. were strongly fluorescent.

IT 40142-85-6P 51864-18-7P 51864-37-0P

RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)

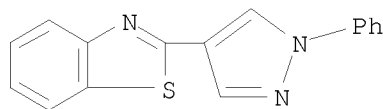
RN 40142-85-6 CAPLUS

CN Benzothiazole, 2-(1H-pyrazol-4-yl)- (CA INDEX NAME)



RN 51864-18-7 CAPLUS

CN Benzothiazole, 2-(1-phenyl-1H-pyrazol-4-yl)- (CA INDEX NAME)



RN 51864-37-0 CAPLUS

CN 1H-Pyrazol-5-amine, 4-(2-benzothiazolyl)-1-phenyl- (CA INDEX NAME)

